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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/806,171	03/23/2004	Christopher Anthony Kaminski	839-1412	2186
	30024 7	590 05/23/2005		EXAMINER	
		ANDERHYE P.C.	T OOR	MULLINS, BURTON S	
	901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203		LOOK	ART UNIT	PAPER NUMBER
	,			2834	
				DATE MAILED: 05/23/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Cummons	10/806,171	KAMINSKI ET AL.					
Office Action Summary	Examiner	Art Unit					
	Burton S. Mullins	2834					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on <u>02 Ma</u>	Responsive to communication(s) filed on <u>02 May 2005</u> .						
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.						
, it is a second of the second	ce except for formal matters, prosecution as to the ments is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
 4) Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) 9-17 is/are withdrawn from consideration. 							
						5) Claim(s) is/are allowed. 6) Claim(s) <u>1-5,7 and 8</u> is/are rejected.	
7)⊠ Claim(s) <u>6</u> is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examine							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail Da						
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)					

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 1-8 (Group I) in the reply filed on 02 May 2005 is acknowledged. Claims 9-17 (Group II) have been canceled by examiner's amendment.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 15 June 2004 has been considered by the examiner.

Claim Rejections - 35 USC § 112

3. Claims 5 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claims 5 and 8, recitation "support brace" lacks antecedent basis.

Claim 1 recites a "support element". Further, in claim 8, it is not clear that a "powder-coated metal" would also be non-conductive.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang et al. (US 6,629,356) in view of Ying et al. (US 4,900,964). Wang teaches a rotor body 22 having defined pole regions 24 with pole faces 24 and sides 31 adjacent the pole faces (Fig.2); at least a pair of prefabricated winding modules 33 each having sequentially abutting field windings 34, said modules being fitted over the sides of the pole regions (Fig.3; c.3, lines 1-13); each said module 33 including a winding support (spacers) 36 having generally radially extending circumferentially spaced support elements defining slots (not numbered, Fig.4) therebetween for receiving the field windings 34.

Wang does not teach "filler strips radially outwardly of said windings in each said slot and secured between radially outer ends of adjacent pairs of said support elements."

Ying teaches slot fillers (wedges) 30 radially outwardly of generator rotor windings 36 arranged in slots 20, the fillers secured between radially outer ends of adjacent pairs of teeth 22 (Fig. 1). The slot fillers reduce vibrations and improve rotor stiffness (c.1, lines 9-44).

It would have been obvious to modify Wang and provide filler strips per Ying since this would have reduced rotor vibrations and improve rotor stiffness.

Regarding claims 2-3, the wedges and teeth in Ying generally comprise tongue and groove or dovetail connections.

Regarding claim 4, the wedges in Ying are arcuate.

Regarding claim 5, as seen in Ying Fig.4, one end of the support/spacer 36 (incorrectly labeled as 26) has a so called "magnetic wing" which is disposed between the pole and support.

Regarding claim 7, as seen in Ying Fig. 3, the supports are axially and circumferentially spaced from each other.

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Regarding claim 8, Ying's spacers may comprise non-metallic, composite material (c.5, lines 3-10)

Allowable Subject Matter

6. Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Wang teaches a flange (fin) 26 but there is no indication or suggestion that each module has a stop for engaging against the flange/fin to position the modules about the rotor body. The remaining prior art of record does not remedy this deficiency.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Burton S. Mullins whose telephone number is 571-272-2029. The examiner can normally be reached on Monday-Friday, 9 am to 5 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Burton S. Mullins Primary Examiner Art Unit 2834

bsm 17 May 2005